

Java EE 7 meets Java 8

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Who am I?

Passionate Developer, Blogger, Youtuber, Speaker, Triber, JUG Leader, Java Champion

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Questions?
As soon as you have them!

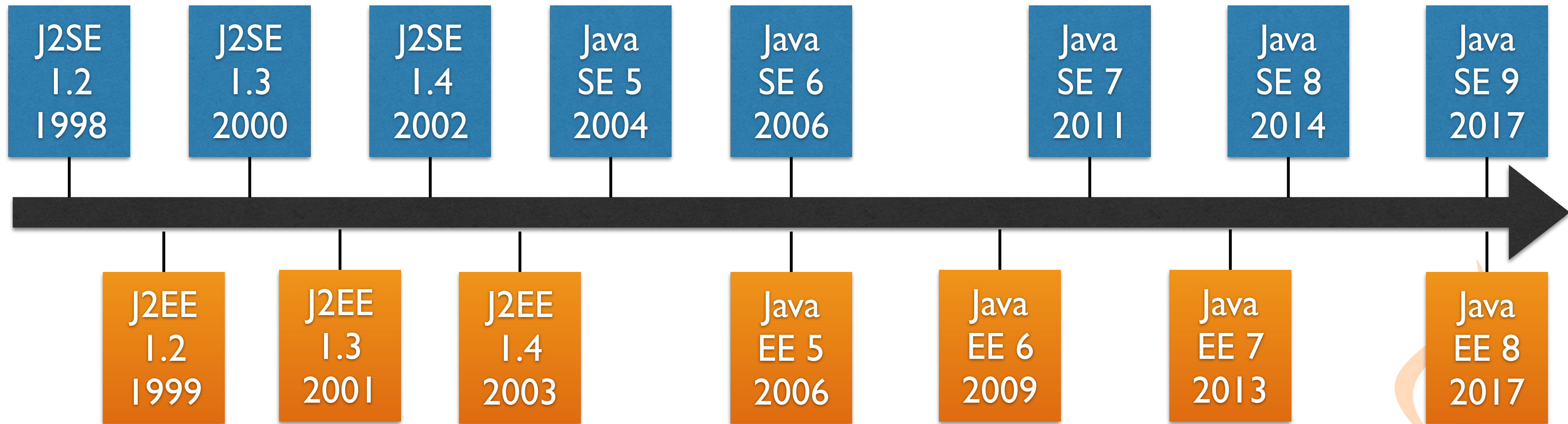


Agenda

- SE and EE overview
- Code Demos
 - JPA, Date Time API, Optional and Streams
 - JAX-RS, Optional and Completable Future
 - Websockets, Streams, Collections enhancements
 - Timers, Concurrency and Method References
 - Batch, Optional and Streams
- Future Ideas
 - Bean Validation, JPA and Method References
 - Stream Batch



SE and EE versions alignment



SE and EE versions alignment

- EE targets the previous SE version
- EE will only align with SE 8 in EE 8
- EE 7 is not targeted to SE 8

Even so, we can improve current EE 7 with SE 8



EE Application Servers

- All major EE servers support SE 8
 - Glassfish
 - Wildfly
 - TomEE
 - Weblogic
 - Websphere Liberty
- Some already dropped SE 7 support completely
- EE developers are free to use SE 8



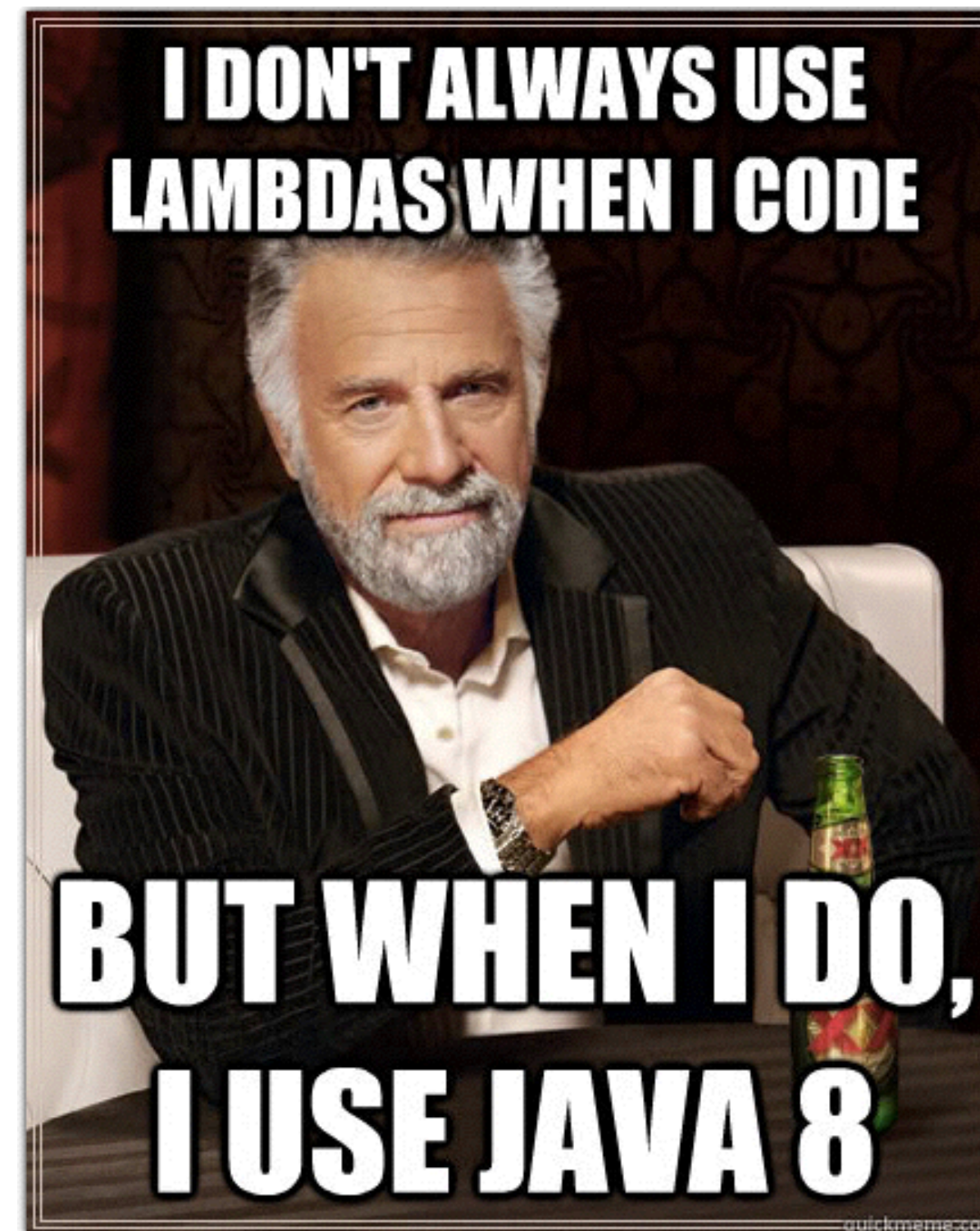
SE 8 give us

- Major
 - Lambdas :) (and Method References)
 - Streams
 - Date & Time API
- Other
 - Collections enhancements
 - Optional, StringJoiner, CompletableFuture, Comparator, Repeatable Annotations



Demos

<https://github.com/radcortez/javaee7-java8>



What about Parallel Streams?

- They use the common ForkJoinPool
- Threads outside of the EE environment
- ForkJoinPool uses all available CPU cores
- **Use at your own risk!**
- This can help: -
`Djava.util.concurrent.ForkJoinPool.common.parallelism=1`
- No parallelism
- In the future EE servers might handle parallel streams properly



Thank you for Attending!

QA

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